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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,052	05/19/2006	Nobutaka Akashi	10893.0064USWO	7513
52835 7590 11006/2008 HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902			EXAMINER	
			GARRETT, DAWN L	
			ART UNIT	PAPER NUMBER
			1794	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/580.052 AKASHI ET AL Office Action Summary Examiner Art Unit Dawn L. Garrett 1794 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 19 May 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1 and 4-6 is/are rejected. 7) Claim(s) 2 and 3 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10)⊠ The drawing(s) filed on 19 May 2006 is/are: a)⊠ accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Informal Patent Application 3) Information Disclosure Statement(s) (PTO/S5/08)

Paper No(s)/Mail Date _

6) Other:

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DETAILED ACTION

 This application is a 371 of PCT/JP04/17440 filed 11/17/2004. The preliminary amendment has been entered. Claim 4 was amended. Claims 1-6 are pending.

Claim Objections

2. Claim 6 is objected to because of the following informalities: There appears to be a period in the middle of the claim in the second line of the claim. It is suggested that "in claim 4 and a hole injecting layer" be changed to "in claim 4 and a hole injecting layer". Appropriate correction is required.

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 4 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Azumaguchi et al. (JP 11-176572 A). Azumaguchi et al. discloses organic electroluminescent devices comprising the following compound, which reads upon instant formula (I) when variable "n" is zero (see par. 72, page 14):

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Although Azumaguchi et al. is silent with respect to discussing the properties set forth in claim 1 for the above compound, the compound is within the definition of instant general formula (I) and is therefore considered to inherently meet the property limitations. Recitation of a newly disclosed property does not distinguish over a reference disclosure of the article or composition claims. General Electric v. Jewe Incandescent Lamp Co., 67 USPQ 155. Titanium Metal Corp. v. Banner, 227 USPQ 773. Applicant bears responsibility for proving that the reference article or composition does not possess the characteristics recited in the claims. In re Fitzgerald, 205 USPQ 597, In re Best, 195 USPQ 430.

With regard to claims 4 and 5, the compound shown above is used in an organic layer of the device and is considered to inherently have a hole transporting property, since the compound is according to instant formula I.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
 obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Azumaguchi et al. (JP 11-176572 A). Azumaguchi et al. is relied upon as set forth above. Azumaguchi et al. does not exemplify a device having compound (35) in one layer according to instant formula I and a compound according to instant formula III in a separate layer. Azumaguchi teaches a compound according to Azumaguchi formula (2) is used in a luminous layer which reads upon the instant "hole transport layer" having the instant formula I compound (see par. 87):

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Azumaguchi et al. teaches a separate layer which is called "an electron hole transporting bed", which reads upon the instant "hole injecting layer" (see par. 87). Hole transporting materials may include compounds such as following Formula 56 shown in in par. 94, which reads upon instant formula III:

It would have been obvious to one of ordinary skill in the art at the time of the invention to have formed a device comprising a layer of compound [35] shown above and compound [56] shown above, because Azumaguchi et al. teaches these compounds are each suitable for separate layers of an electroluminescent device and one would expect such a device utilizing these compounds in separate layers to result in a well-functioning display, since they are taught as desirable compounds for the device by Azumaguchi et al.

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Allowable Subject Matter

7. Claims 2 and 3 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art fails to teach or to render obvious the compounds of claims 2 and 3 requiring the specified biphenyl or terphenyl groups.

Conclusion

- The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dawn Garrett whose telephone number is (571) 272-1523. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on (571) 272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dawn Garrett/ Primary Examiner, Art Unit 1794